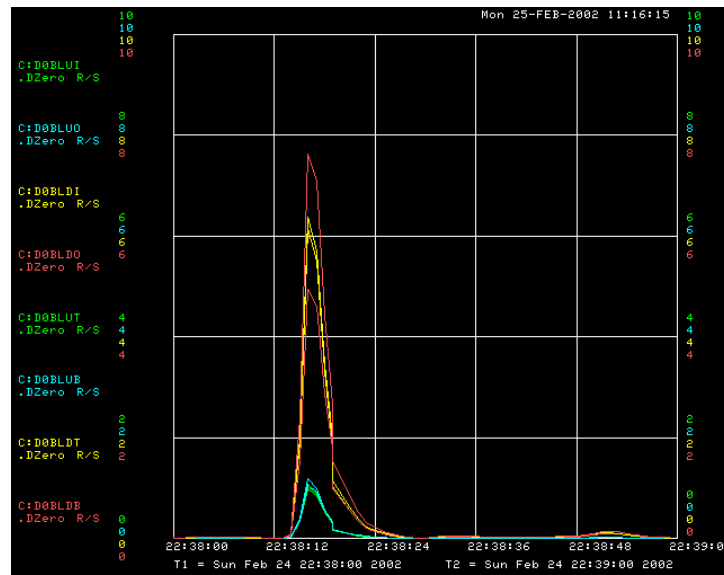
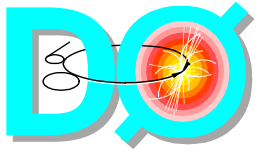


DØ Status: 02/18-02/25

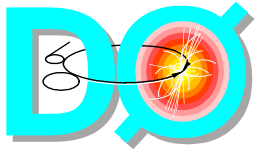
- ◆ Week integrated luminosity
  - 0.7pb<sup>-1</sup> delivered
  - to tape 0.45pb<sup>-1</sup>
- ◆ Data collection
  - ▲ global data collections most of the time
    - full detector in readout
    - physics trigger menu
  - ▲ reasonably stable DAQ running
    - sending events to Level 3 trigger with rate of ~80Hz
    - writing events to tapes with ~40Hz rate
- ◆ DØ farms operation
  - stable running
  - during last two weeks re-processed all "post November 2001" data in parallel to processing data coming from the detector
- ◆ DØ silicon radiation protection alarms
  - ▲ got shot setup alarm before last store (again)
  - ▲ losses during "event 13"





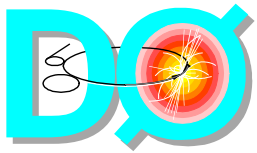
# Last Week Supervised Access Results

- General
  - ◆ started on schedule at 6am on Thursday
  - ◆ progressed as planned with detector opening
  - ◆ spent two shifts inside the detector performing repairs
  - ◆ started detector closing at 10am on Friday
  - ◆ were ready for S&S at 4pm, as scheduled
    - ▲ due to delay with S&S were able to finish full survey of the detector in closed configuration
  - ◆ detector opening/closing went without problems and safely
- Silicon detector access
  - ◆ were running with 6/8 power supplies for the last few weeks
  - ◆ inspection after detector opening
    - ▲ one supply had blackened fuse holder
    - ▲ another supply had "personality" card failed
    - ▲ both problems have been observed before (during January access)
    - ▲ both power supplies are replaced and currently running OK
  - ◆ improvements to power supplies been made which expected to increase reliability
  - ◆ grounding on interface boards has been improved
  - ◆ power supplies are running OK for now
    - ▲ lost 4 supplies during 3 weeks following October 2001 shutdown
    - ▲ lost 2 supplies within 10 days following January 2002 shutdown
    - ▲ clearly first 1-2 weeks are the most critical



## Supervised Access (continue)

- Fiber tracker and preshower detectors
  - ◆ total number of AFE boards used to readout VLPC based detectors have been increased to 125
    - ▲ fiber tracker axial: 100%
    - ▲ central preshower axial: 100%
    - ▲ have one fully instrumented fiber tracker phi sector and second one is 7/8 done
  - ◆ multiple improvements to infrastructure
    - ▲ replaced flaky power supply
    - ▲ fixed last problematic AFE backplane
    - ▲ LED calibration electronics been installed
- Calorimeter
  - ◆ replaced failed preamplifier power supply
  - ◆ pulser modifications have been finished
  - ◆ spare power supplies are delivered to the hall for fast replacement
  - ◆ multiple minor improvements to calorimeter triggering and calibration been performed
- Muon system
  - ◆ during detector opening one of A layer chambers demonstrated a short in its electronics
    - ▲ fixed
  - ◆ low voltage power supply for one of front-end VME crates has been replaced
  - ◆ new version of scintillator readout controller been installed
  - ◆ sending non-gated signals from collision hall to study aging of counters and phototubes as well as to better understand backgrounds



## DØ Status

- Plan for coming week
  - ◆ cosmic ray running during Tuesday-Thursday
  - ◆ supervised access during recycler repairs
    - ▲ fiber tracker electronics installation
    - ▲ muon trigger electronics debugging
  - ◆ data collection starting later this week
    - ▲ new trigger version 4.20
    - ▲ full detector in readout
- Central tracking hardware/software commissioning is progressing well
  - ◆ Z candidate selected using di-electron calorimeter trigger and reconstructed with reco version 10.14
  - ◆ 11 and 12 hits tracks with opposite sign

Run 142673 Event 1349366 Fri Feb 22 14:32:35 2002

ET scale: 41 GeV

